ANNUAL REPORT

OF THE

Medical Officer of Health

FOR THE YEAR 1953.

GUERNSEY :

1954.

Printed by GUERNSEY HERALD LIMITED, Victoria Road.

Report of the Medical Officer of Health for 1953.

Lukis House, Grange, Guernsey, 8th February, 1954.

Gentlemen,

I have the honour to present my nineteenth annual report for the year 1953 as States Medical Officer of Health.

There was little infectious disease in 1953 and again there were no cases of diphtheria; there were two cases of poliomyelitis in December.

The death rate from pulmonary tuberculosis again fell, and for the first time there were no deaths from other forms of tuberculosis.

The birth rate and death rate were slightly lower than in 1952; the infant mortality rate was also slightly lower.

I have the honour to be, Gentlemen,

Your obedient servant,

ROWAN REVELL, M.D., D.PH.,
Medical Officer of Health.

The President and Members,
Board of Health,
Guernsey.

STATISTICS

Table I.

Sunshine

Total for 1953	1905.0 Hours
Average for 50 years	1876.8 „
Sunless days for 1953	64
Average for 50 years	55

Rainfall

Total for 1953	21.29 Ins.
Average for 50 years	36.50 Ins.
Wet days for 1953	141
Average for 50 years	193

Temperature	°F.
Daily mean temperature	51.1
Average for 50 years	51.4
Mean daily range	9.0
Average for 50 years	9.0

Table II.

YEAR	Estimated Population to middle of each year	BIRTHS		DEATHS			DEATHS Under 1 year.	
		No.	Rate per 1,000	No.	Crude rate per 1,000	Adjusted rate per 1,000	No.	Rate per 1,000 Births
1937 ...	42,410	827	19.5	575	13.6	9.5	45	53.2
1938 ...	43,015	851	19.8	524	12.2	8.5	37	43.4
1939 ...	43,820	744	16.9	559	12.7	8.9	33	44.3
1940—								
Jan./June	43,000	400	18.6	334	14.0	—	21	52.5
July/Dec.	23,976	168	14.0	179	14.8	—	6	35.7
1941 ...	23,901	243	10.1	398	16.6	—	5	20.5
1942 ...	23,561	262	11.1	525	22.3	—	10	38.1
1943 ...	22,641	337	14.9	414	18.3	—	16	47.5
1944 ...	22,408	395	17.6	472	21.1	—	17	43.0
1945 ...	25,500	391	15.3	436	17.1	—	11	28.1
1946 ...	38,038	872	22.9	431	11.3	7.9	35	40.1
1947 ...	40,674	900	22.2	419	10.3	7.2	30	33.3
1948 ...	43,179	870	20.2	445	10.4	7.3	17	19.5
1949 ...	44,374	795	17.9	495	11.1	7.7	20	25.1
1950 ...	44,792	746	16.6	480	10.7	7.4	22	29.5
1951 ...	44,498	775	17.4	510	11.4	8.0	11	14.2
1952 ...	43,367	736	16.9	464	10.7	7.5	24	32.6
1953 ...	44,158	727	16.5	456	10.4	7.3	23	31.6
	42290							

POPULATION

Accurate estimate of the population is difficult owing to fluctuations in immigration and emigration; there appears to have been a large excess of emigration in 1951, and of immigration in 1952 and 1953. The mid-year population was estimated at 44,158.

BIRTHS

There were 727 live births, males 360, females 367, a rate of 16.5 per 1,000. Stillbirths numbered 15, a rate of 20.6 per 1,000 live births; illegitimate births were 39, a percentage of 5.2 of total live births.

DEATHS

There were 456 deaths, males 246, females 210, a crude rate of 10.4 per 1,000; adjusted death rate 7.3.

MATERNAL MORTALITY

There were no deaths from prolonged labour. Under the Midwives Ordinance, 1950, medical aid was sought in one hundred and thirty-one cases.

Fees to medical practitioners—£333 6s. 6d.

INFANTILE MORTALITY

There were 23 deaths under one year of age, giving a rate of 31.6 per 1,000 live births; 14 of these deaths were under one month, a rate of 19.4 per 1,000.

MARRIAGES

There were 310 marriages, a rate of 7.0 per 1,000.

CANCER

There were 70 deaths from Cancer, 36 males, 34 females, giving a rate of 1.5 per 1,000.

TUBERCULOSIS

There were 8 deaths from pulmonary tuberculosis; there were no deaths from other forms. The rate was 0.18 per 1,000. Attendances at the Chest Clinic were as follows: —

New cases of Tuberculosis	30
New cases not Tuberculosis	—
Attendances of old cases	511
X-rays taken	2,287
Cases sent to England for special surgical treatment	10
Cases in King Edward Sanatorium	47

Inoculation of contacts of cases with B.C.G. and extensive Tuberculin Testing of school children has been started.

INFECTIOUS DISEASES

There were little notifiable diseases during the year; notifications were as follows:—

Pulmonary Tuberculosis	39
Renal T.B.	1
T.B. Spine	1
T.B. Abdomen	1
Poliomyelitis	2
Scarlet Fever	8
Dysentery	5
Typhoid	1

717 children were inoculated against Diphtheria.

231 children were re-inoculated against Diphtheria.

The following cases were admitted to the King Edward Sanatorium:—

		Deaths
Acute rheumatism	1	—
Chicken Pox	1	—
Measles	3	—
Pulmonary Tuberculosis	32	4
P.T.B. and T.B. Spine	1	—
Tuberculosis and Meningitis	1	—
Tonsilitis	4	—
Poliomyelitis	2	—
Scarlet Fever	1	—
T.B. and Diabetic	1	—
	47	4

SANITATION

Extensive sanitary work has been carried out in the Island during the year. The laying of sewers in the Castel was continued.

WATER SUPPLIES

The States Water Supply was generally satisfactory but here again extensions as soon as possible are necessary.

MILK SUPPLIES

Very large numbers of samples have been taken and inspections made; the improvement in the cleanliness of milk supplies has been maintained. All milk passed through the States Dairy is now pasteurised.

HOUSING

The extreme shortage of houses continues, and in spite of a large building programme, is likely to continue for many years. Difficulties in satisfying the need for houses are greatly increased by continually rising costs.

SELECTED GUERNSEY HEALTH STATISTICS

Year	*Infant Mortality.* *Rate per* 1,000 *Live births*	*Neonatal Deaths* *Rate per* 1,000 *Live births*	*Still Births.* *Rate per* 1,000 *Live births*	*Pulmonary Tuberculosis.* *Rate per* 1,000
1939	44.3	—	43.2	0.62
1940	46.4	—	28.5	0.59
1941	20.5	—	20.8	1.0
1942	38.1	—	30.7	0.91
1943	47.5	—	15.1	0.90
1944	43.0	—	20.2	1.2
1945	28.1	—	23.0	0.47
1946	40.1	—	21.7	0.45
1947	33.3	—	18.9	0.54
1948	19.5	12.5	24.2	0.79
1949	25.1	17.6	23.9	0.61
1950	29.5	22.6	20.1	0.42
1951	14.2	9.0	14.2	0.27
1952	32.6	20.3	21.7	0.21
1953	31.6	19.4	20.6	0.18

INFANT WELFARE

HEALTH VISITORS' REPORTS

	Country.	*St. Peter Port.*
Primary or first visits	288	236
0-1 year or under one year	941	1,117
1-5 years or over 1 year	212	880
Ante Natal Visits	—	7
Cleanliness	19	—
Neglect	—	41
Visits with Sanitary Inspector	6	7
Foster children and Homes	—	10
Orthopaedic	—	1
Diphtheria Immunisation	10	22
T.B. Visits	24	24
Infectious Diseases (Scarlet Fever)	—	3
Old Age	—	3
Miscellaneous	—	13
Ineffectual/No reply	66	128

M. GRAHAM, S.R.N., S.C.M., H.V.

M. PREVOT, S.R.N., S.C.M., R.F.N., H.V.

VENEREAL DISEASES CLINIC, 1953

	Males	*Females*
(1) Number of persons who on 1st January, 1953, were under treatment for—		
Syphilis	5	10
Gonorrhea	3	—
Non specific or non venereal conditions	4	6
(2) Number of fresh infections during the year—		
Syphilis contracted locally	—	1
Syphilis contracted outside the island	2	—
Gonorrhea contracted locally	6	—
Gonorrhea contracted outside the island	—	—
Non specific or non venereal conditions contracted outside the island	—	—
Non specific or non venereal conditions contracted locally	12	2
(3) Number of persons remaining under treatment on 31st December, 1953—		
Syphilis	4	4
Gonorrhea	6	—
Non specific or non venereal conditions	8	7
(4) Total attendances of all persons at Clinic during the year ...	307	91
(5) Cases discharged during 1953—		
Syphilis	3	6
Gonorrhea	3	—
Non specific or non venereal conditions	8	2

V.D. CLINIC MALE SECTION

The work of the male side during the past year calls for no special comment. Our observations made on the two previous years' work are applicable to 1953.

J. E. T. STRICKLAND,

Medical Officer in Charge,
Male Section V.D. Clinic.

V.D. CLINIC FEMALE SECTION

It is interesting to note that for the second year in succession there have been no cases of female Gonorrhea reported to the Clinic.

The number of cases of Syphilis though few remains fairly constant.

Most of the cases referred to the Clinic this year have proved to be non specific infections.

W. R. CAMBRIDGE,

Medical Officer in Charge,
Female Section V.D. Clinic.

DEATHS

	CAUSE GROUPS	MALE Under 1 Year	YEARS 1/4	5/14	15/24	25/44	45/64	65/74	75 and Over	Total
A	1 Tuberculosis of respiratory system	—	—	—	—	3	2	—	1	6
A	29 Acute infectious encephalitis	1	1	—	—	—	—	—	—	2
A	45 Malignant neoplasm of oesophagus	—	—	—	—	—	—	—	1	1
A	46 „ „ „ stomach	—	—	—	—	2	4	4	—	10
A	47 „ „ „ intestines	—	—	—	—	—	—	1	—	1
A	48 „ „ „ rectum	—	—	—	—	—	—	1	—	1
A	49 „ „ „ larynx	—	—	—	—	—	1	—	—	1
A	50 „ „ „ bronchus and lung	—	—	—	—	—	5	2	1	8
A	54 „ „ „ prostate	—	—	—	—	—	—	3	—	3
A	57 „ „ „ other and unspecified sites ...	—	—	—	—	1	1	3	6	11
A	62 Thyrotoxicosis with or without goiter	—	—	—	—	—	1	—	—	1
A	63 Diabetes Mellitus	—	—	—	—	—	—	2	—	2
A	66 Allergic disorders; all other endocrine, metabolic and blood diseases	—	—	—	—	—	1	1	1	3
A	67 Psychoses	—	—	—	—	—	1	—	—	1
A	68 Psychoneuroses and disorders of personality	—	—	—	1	—	—	—	—	1
A	70 Vascular lesions affecting central system	—	—	—	—	1	—	7	10	18
A	78 All other diseases of the nervous system and sense organs ...	—	1	—	—	—	1	3	—	5
A	80 Chronic rheumatic heart disease	—	—	—	—	1	—	1	—	2
A	81 Arteriosclerotic and degenerative heart disease	—	—	—	—	—	14	11	22	47
A	82 Other diseases of heart	—	—	—	1	—	3	6	11	21
A	83 Hypertension with heart disease	—	—	—	—	—	—	—	1	1
A	84 Hypertension without mention of heart	—	—	—	—	—	—	4	1	5
A	85 Diseases of arteries	—	—	—	—	—	2	1	—	3
A	89 Lobar pneumonia	—	—	—	—	—	—	—	1	1
A	90 Bronchopneumonia	—	—	—	—	—	1	3	2	6
A	91 Primary atypical, other and unspecified pneumonia ...	—	—	—	—	—	1	—	4	5

DEATHS

MALE

		CAUSE GROUPS	Under 1 Year	1/4	5/14	15/24	25/44	45/64	65/74	75 and Over	Total
			YEARS								
A	92	Acute bronchitis	—	—	—	—	—	1	—	—	1
A	93	Bronchitis, chronic and unqualified	—	—	—	—	—	2	4	8	14
A	95	Empyema and abcess of lung	—	—	—	—	—	—	2	—	2
A	97	All other respiratory diseases	—	—	—	—	—	1	—	1	2
A	99	Ulcer of stomach	—	—	—	—	—	—	—	1	1
A	100	Ulcer of duodenum	—	—	—	—	1	—	1	—	2
A	103	Intestinal obstruction and hernia	—	—	—	—	1	1	—	—	2
A	105	Cirrhosis of liver	—	—	—	—	—	1	2	—	3
A	107	Other diseases of digestive system	—	—	—	—	—	—	1	—	1
A	109	Chronic, other and unspecified nephritis	—	—	—	—	2	—	—	1	3
A	111	Calculi of urinary system	—	—	—	—	—	—	1	—	1
A	112	Hyperplasia of prostate	—	—	—	—	—	—	1	2	3
A	114	Other diseases of genito-urinary system	—	—	—	—	—	—	1	—	1
A	122	Arthritis and spondylitis	—	—	—	—	—	—	1	—	1
A	128	Congenital malformations of circulatory system	2	—	—	—	—	—	—	—	2
A	135	Ill defined diseases peculiar to early infancy, and immaturity unqualified	9	—	—	—	—	—	—	—	9
A	136	Senility without mention of psychosis	—	—	—	—	—	—	—	10	10
A	137	Ill defined and unknown causes of morbidity and mortality	—	—	—	—	—	2	1	2	5
AE	138	Motor vehicle accidents	—	—	—	1	—	—	—	—	1
AE	139	Other transport accidents	—	—	1	1	1	—	—	—	3
AE	141	Accidental falls	—	—	—	—	—	2	2	—	4
AE	143	Accident caused by fire and explosion of combustible material	—	—	—	—	—	—	1	—	1
AE	146	Accidental drowning and submersion	—	—	1	—	1	—	—	1	3
AE	147	All other accidental causes	—	—	—	—	1	—	—	—	1
AE	148	Suicide and self-inflicted injury	—	—	—	—	—	2	1	1	4
			12	2	2	4	15	50	72	89	246

DEATHS

FEMALE

	CAUSE GROUPS	Under 1 Year	1/4	5/14	15/24	25/44	45/64	65/74	75 and Over	Total
A	1 Tuberculosis of respiratory system	—	—	—	—	—	—	2	—	2
A	45 Malignant neoplasm of oesophagus	—	—	—	—	—	—	1	—	1
A	46 „ „ „ stomach	—	—	—	—	—	—	2	5	7
A	48 „ „ „ rectum	—	—	—	—	—	—	2	—	2
A	50 „ „ „ bronchus and lung	—	—	—	—	—	1	2	—	3
A	51 „ „ „ breast	—	—	—	—	—	3	1	6	10
A	52 „ „ „ uterus	—	—	—	—	—	1	2	—	3
A	53 „ „ „ other & unspecified parts of uterus	—	—	—	—	2	—	—	—	2
A	56 „ „ „ bone and connective tissue ...	—	—	—	—	—	1	—	1	2
A	57 „ „ „ other and unspecified sites ...	—	—	—	—	1	1	1	1	4
A	59 Lymphosarcoma and other neoplasms of lymphatic and haematopoietic system	—	—	—	—	—	—	1	—	1
A	60 Benign neoplasms	—	—	—	1	—	—	—	—	1
A	63 Diabetes mellitus	—	—	—	—	—	—	4	—	4
A	65 Anaemias	—	—	—	—	—	1	—	1	2
A	66 Allergic disorders; all other endocrine, metabolic and blood diseases	—	—	—	—	—	1	—	—	1
A	68 Psychoneuroses and disorders of personality	—	—	—	—	1	—	—	—	1
A	70 Vascular lesions affecting central nervous system	—	—	—	—	—	3	9	16	28
A	78 All other diseases of the nervous system and sense organs	—	—	—	—	—	1	1	1	3
A	80 Chronic rheumatic heart disease	—	—	—	—	—	—	1	—	1
A	81 Arteriosclerotic and degenerative heart disease	—	—	—	—	2	2	6	21	31
A	82 Other diseases of heart	—	—	—	—	1	3	3	7	14
A	83 Hypertension with heart disease	—	—	—	—	—	—	—	2	2
A	84 Hypertension without mention of heart	—	—	—	—	—	1	1	3	5
A	85 Disease of arteries	—	—	—	—	—	—	—	2	2
A	86 Other diseases of circulatory system	—	—	—	1	—	—	1	—	2

DEATHS

FEMALE

		CAUSE GROUPS	YEARS								
			Under 1 Year	1/4	5/14	15/24	25/44	45/64	65/74	75 and Over	Total
A	88	Influenza	—	—	—	—	—	—	1	—	1
A	89	Lobar pneumonia	—	—	—	—	—	1	—	—	1
A	90	Bronchopneumonia	—	—	—	—	1	1	—	—	2
A	91	Primary atypical, other and unspecified pneumonia ...	—	—	—	—	—	2	—	6	8
A	92	Acute bronchitis	—	—	—	—	—	—	—	1	1
A	93	Bronchitis, chronic and unqualified	—	—	—	—	—	1	1	1	3
A	97	All other respiratory diseases	—	—	—	1	—	—	1	—	2
A	102	Appendicitis	—	—	1	—	—	1	—	—	2
A	103	Intestinal obstruction and hernia	—	—	—	—	—	2	—	—	2
A	105	Cirrhosis of liver	—	—	—	—	—	1	—	—	1
A	106	Cholelithiasis and cholecystitis	—	—	—	—	—	1	—	—	1
A	109	Chronic, other and unspecified nephritis	—	—	—	—	1	—	—	—	1
A	110	Infections of kidney	—	—	—	—	—	—	—	1	1
A	120	Complications of pregnancy	—	—	—	—	1	—	—	—	1
A	122	Arthritis and spondylitis	—	—	—	—	—	—	2	—	2
A	127	Spina bifida and meningocele	1	—	—	—	—	—	—	—	1
A	128	Congenital malformations of circulatory system	1	—	1	—	—	—	—	—	2
A	129	All other congenital malformations	1	—	—	—	—	—	—	—	1
A	134	All other defined diseases of early infancy	1	—	—	—	—	—	—	—	1
A	135	Ill defined diseases peculiar to early infancy and immaturity unqualified	7	—	—	—	—	—	—	—	7
A	136	Senility without mention of psychosis	—	—	—	—	—	—	1	23	24
A	137	Ill defined and unknown causes of morbidity and mortality	—	—	—	—	—	1	—	3	4
AE	140	Accidental poisoning	—	—	—	—	—	—	—	2	2
AE	146	Accidental drowning and submersion	—	—	—	—	—	1	—	—	1
AE	147	All other accidental causes	—	—	—	—	—	1	1	—	2
AE	148	Suicide and self-inflicted injury	—	—	—	—	—	2	—	—	2
			11	—	2	3	10	34	47	103	210

INFANTILE MORTALITY

	CAUSE GROUPS	28 days to 2 months	2/3	3/4	4/5	5/6	6/7	7/8	8/9	9/10	11/12	Total
		MONTHS										
A	29 Acute infectious encephalitis	—	—	—	—	1	—	—	—	—	—	1
A	128 Congenital malformations of circulatory system	—	—	—	—	—	—	1	—	—	—	1
A	135 Ill defined diseases peculiar to early infancy, and immaturity unqualified	1	—	1	—	—	—	—	—	—	—	2
		1	—	1	—	1	—	1	—	—	—	4

		Under 1 day	1/2	2/3	3/4	4/5	5/6	6/7	7/14	14/21	21/28	Total
		DAYS										
A	127 Spina bifida and meningocele	—	—	—	—	—	—	—	1	—	—	1
A	128 Congenital malformations of circulatory system	—	1	—	—	—	—	—	1	—	—	2
A	129 All other congenital malformations ...	1	—	—	—	—	—	—	—	—	—	1
A	134 All other diseases of early infancy	1	—	—	—	—	—	—	—	—	—	1
A	135 Ill defined diseases peculiar to early infancy, and immaturity unqualified	5	2	3	2	—	2	—	—	—	—	14
		7	3	3	2	—	2	—	2	—	—	19

LABORATORY SERVICE

February, 1954.

The Board of Health Laboratory Service Annual Report for 1953.

1.	Urethral, cervical and vaginal smears for Gonococci	32
2.	Urethral, cervical and vaginal cultures for Gonococci	22
3.	Sputum. Direct examination for T.B.	289
4.	Sputum. Culture examination for T.B.	46
5.	Sputum. Culture examination other organisms	19
6.	Sputum. Concentration for T.B.	78
7.	Eye smears	13
8.	Eye cultures	117
9.	Urine. Deposit examinations	413
10.	Urine. Routine examinations	341
11.	Urine. Smears Bacteriology	10
12.	Urine. Cultures	196
13.	Urine. Urea estimations	10
14.	Urine. Acetone Derivatives and Ph.	2
15.	Urine. Indican Test. Tests for Bile and Blood	3
16.	Urine. Diastatic Index	1
17.	Urine. T.B.	2
18.	Urine. Chlorides	1
19.	Blood Cultures	22
20.	Blood White cell count	524
21.	Blood Red cell count	367
22.	Blood Haemoglobin	1,028
23.	Blood Van den Bergh Test	3
24.	Blood Differential count	402
25.	Blood Sedimentation Rate	663
26.	Blood Sugar estimations	116
27.	Blood Urea estimations	130
28.	Blood for Anthrax	10
29.	Blood Cell Volume	337
30.	Blood Widals	47
31.	Blood Other Agglutinations	2
32.	Blood Parasites	1
33.	Blood Paul Bunnell Reaction	8
34.	Blood Coagulation Time	57
35.	Blood Bleeding Time	5
36.	Blood Platelet Count	9
37.	Blood Reticulocyte Count	12
	Carried forward	5,338

	Brought forward ...	5,338
38.	Blood Hanger Test	5
39.	Blood Wasserman Reaction	264
40.	Blood Rhesus Typing	228
41.	Blood Grouping	344
42.	Blood Cross-matching	357
43.	Blood Coombs Test	4
44.	Blood Fouchet Test	1
45.	Blood Prothrombin Time	92
46.	Throat smears for K.L.B.	23
47.	Throat cultures for K.L.B.	30
48.	Throat cultures for H.S.	35
49.	Semen Fertility Tests	9
50.	Stool. Occult Blood	90
51.	Stool. Direct Smears	52
52.	Stool. Cultures	120
53.	Fractional Gastric Analysis	37
54.	Skin examinations for Fungi and Parasites	5
55.	Coagulase Tests	43
56.	Pus direct Smears	24
57.	Pus cultures	64
58.	Cerebro-spinal Fluid. Cell Count	38
59.	Cerebro-spinal Fluid. Direct Smear	14
60.	Cerebro-spinal Fluid. Chloride Estimation	18
61.	Cerebro-spinal Fluid. Globulin	3
62.	Cerebro-spinal Fluid. Sugar Estimation	24
63.	Cerebro-spinal Fluid. Culture	9
64.	Cerebro-spinal Fluid. Wasserman Reaction	7
65.	Cerebro-spinal Fluid. Total Protein	29
66.	Cerebro-spinal Fluid. T.B. Direct	8
67.	Pleural and other body fluids. Culture	41
68.	Pleural and other body fluids. Direct Smears	24
69.	Pleural and other body fluids. Cell Count	1
70.	Ear, Nose and Throat. Smears	10
71.	Ear, Nose and Throat. Cultures	50
72.	Autogenous Vaccine	5
73.	Antibiotic Sensitivity Tests	258
74.	Foods	9
75.	Other Agglutinations	12
76.	Milk Tests "Hotis" for Mastitis. Positive	12
77.	Milk Tests "Hotis" for Mastitis. Negative	56
78.	Milk Tests "Hotis" for Mastitis. Doubtful	15
79.	Phosphatase Tests	163
	Carried forward ...	7,971

	Brought forward ...	7,971
80.	Milk Cultures Smears	267
81.	Chemical Fat	654
82.	Milk Reductase. Unsatisfactory	101
83.	Milk Reductase. Good	592
84.	Ice Cream Gradings. Good	104
85.	Ice Cream Gradings. Suspicious	7
86.	Ice Cream Gradings. Unsatisfactory	9
87.	Water Samples. B. Coli Presumptive. Good	628
88.	Water Samples. B. Coli Presumptive. Suspicious	27
89.	Water Samples. B. Coli Presumptive. Unsatisfactory	70
90.	Water Samples. B. Coli Presumptive. Conclusive	96
	Total ...	10,526

H. A. WILSON,

Chief Technician.

ENVIRONMENTAL HYGIENE

ANNUAL REPORT OF THE CHIEF SANITARY INSPECTOR FOR THE YEAR ENDING 31st DECEMBER, 1953.

I herewith submit my report of the administration of the Chief Sanitary Inspector's Department for the year 1953. There has been little change in the type of problem or routine work during these last twelve months although since my appointment in 1931, the work both in range and scope of duties has changed enormously. The conception of "The Sanitary Man," in those days, was "the chap who went about smelling drains" and obviously the chief implements in his armoury were his nose or a smoke rocket. Powers of inspection were those obtained by reason of infectious diseases and an occasional request from the parish constable to investigate a complaint. As there was no Public Health Ordinance in those days, the Parish Constables were the Sanitary Authorities.

The first Public Health Ordinance was effected in 1934, and as at least twelve other Ordinances, etc. have been added since that date, it will be realized how enormously the scope of duties has widened. There remains yet one most important one to be added and one which members of the general public may not realise is so important for their benefit; I refer to the "Clean Food Bye Laws." At such time as this is made legislation, a very great public service will have been made to the community. Advice is frequently sought by prospective vendors of food, café proprietors and others, and in the matter of equipment, storage room and drainage one can merely advise and not insist on the high standard desirable in businesses whose concern is the retailing and preparation of food.

No outbreaks of food poisoning have been reported during the year and very few individual cases have been reported. The most dangerous types of food contaminated by disease producing organisms are as follows:—

(1) Milk and milk products with special emphasis on synthetic cream and trifles which are specially prone to bacterial contamination.

(2) Made-up dishes and cooked meat not eaten fresh, especially pies and brawn.

(3) Gravies, soups and sauces.

(4) Duck eggs and dried egg powder.

Duck eggs are more liable to cause disease than hen eggs, due to the duck's dirty habits of wallowing in mud and filth and being a dirty feeder. The eggs can therefore contain disease producing organisms within the egg or on the surface and for this reason should be thoroughly washed before using and be hard boiled. Regarding dried egg powder, this commodity in its dry state has not a high bacterial count but when water is added it immediately becomes an ideal media in which organisms will multiply rapidly unless killed by immediate cooking.

The housing problem is still a major one in spite of increased building by the States Housing Authority, who have completed sixty in 1953, and a large number, chiefly bungalows, built by private enterprise. Repairs and improvements carried out during the year have again been satisfactory.

Extensions to the public sewer in the Castel parish, including the new States houses at L'Aumone, St. George and Beaucamp district, will be a permanent benefit to the area and are very much appreciated by this department.

I again wish to record the loyal service and co-operation from the Inspectors, Laboratory Staff, Health Visitors and Office Staff during the year.

G. AUSTIN, M.S.I.A.

INSPECTIONS (*HOUSING*)

Requests from Housing Authority for general housing inspections	135
Requests from other sources	280
Routine housing inspections	111
Inspections of sanitary defects and drainage systems	181
Inspections of water supplies	221
Re-inspections of work in progress or completed	336
Drains tested	71
Houses closed during the year—Permanent	8
Temporary	8
Inspections of public buildings	2
Inspections of schools	21

Inspections of caravan sites	8
Inspections of camp sites	39
Inspections of work places and shops	45
Complaints investigated and abated	182
Interviews	784
Verbal agreements in lieu of statutory notice	3

INSPECTIONS OF FOOD PREMISES

Cafés and Restaurants	58
Fish and Chip Shops	20
Other food storing or preparing places including proposed premises	62
Bakehouses	25
Markets	46
Weekly meat consignments on arrival from Southampton	48

Food examined and condemned as unfit for human consumption:—

Animal Food, 5 tins.
Baby Food, 22 tins.
Bacon, 197 lbs. 6 ozs.
Baked Beans, 75 tins.
Blancmange, 1 tin.
Cake, 7 cakes.
Cake Mixture, 9 packets.
Cat Food, 1 tin.
Cheese, 37 dozen packets.
Cheese, 1¾ lbs.
Cheese, 17 cheeses.
Cheese, 11 cartons.
Chocolate Tea Cakes, 9 half tins.
Chocolate Tea Cakes, 1 large tin.
Chicken Cutlets, 10 tins.
Cream, 33 jars.
Cream, 66 tins.
Coffee Preparation, 1 tin.
Dripping, 49 tins.
Eggs, 300½ dozen.
Essence, 86 jars.
Fish, 10 dozen, 7 tins.
Fruit, 381 dozen and 10 tins.
Fruit Juice, 73 tins.
Fruit, 3 cases, 3 trays, 20 lbs.
Galatine, 5 packets.
Jam, 45 tins.

Meat (tinned), 867 tins.
Meat (loose), 412 lbs. 12 ozs.
Milks, 21 gallons.
Milks, 390 tins.
Mincemeat, 15 tins.
Mustard, 10 tins.
Onions, 4 tons, 1 jar.
Pastes, 17 jars, 6 tins.
Processed Rolls, 3 packets.
Processed Milk Pudding Powder, 20 tins.
Processed Biscuits, 38 tins.
Pudding Mixture, 3 packets.
Poultry, 43, 325 lbs. geese.
Patent Groates, 53 tins.
Patent Barley, 99 tins.
Sandwich Spread, 6 bottles.
Salt, 2 packets.
Sauces, 5 bottles.
Sausages, 23 lbs., 44 tins.
Soup, 65 tins.
Spinach, 7 tins.
Sponge Fingers, 49½ lbs.
Steak Pies, 71.
Sugar, 12 packets.
Sweets, 1 carton, 7 lbs.
Swiss Rolls, 7 rolls.
Vegetables, 264 tins.

Food analysed during 1953:—

Butter	4	National Lard	1
Coffee and Chicory Essence	2	Olives	1
Cream (Fresh)	11	Pepper (White)	1
Cream (Ice)	11	Pepper Condiment Flavour	1
Chocolate Liqueurs	1	Sausages	6
Chicken Food	1	Sponge Mixture	1
Dripping	1	Spice (Mixed)	1
Flour	2	Spice (Pickling)	1
Ham	3	Sause (Tomato)	1
Luncheon Meat	2	Vinegar	1
Margarine	1	Water	1

Fifty-five food samples have been analysed this year, forty-seven for full analysis and eight for bacteria only. No outbreaks of food poisoning have been reported. In connection with the local meat imports, I visited, whilst on the mainland, officials of the Ministry of Food and the South Western Meat Organization in Smithfield Market; also British Railways Officials at Southampton, in an endeavour to obtain small insulated meat containers for the local trade. Prospects at these interviews were most promising but so far have failed to materialize. I hope, with the end of meat rationing in sight, to be able to achieve my object in 1954.

MILK SAMPLES ANALYSED DURING 1953

Formal samples	12
Informal samples	662
Fat and M.B. Test	658
M.B. Test only	43
Appeal to cow samples	230

INSPECTIONS

Number of farm inspections	74
Farmers interviewed re unsatisfactory stables, utensils, etc.	101
Inspection of milk retailers utensils, etc.	620
Visits to States Dairy and Road Collection Depots	96
Farms visited for check samples	48
Number of herd checks (full herd)	30
Number of cases of suspect mastitis found	46

MONTHLY AVERAGE OF FAT AND NON FATTY SOLIDS

Month	*Fat*	*Non Fatty solids*
January	4.5%	9.00%
February	4.5%	9.00%
March	4.5%	9.00%
April	4.4%	9.11%
May	4.3%	9.03%
June	4.4%	9.13%
July	4.6%	9.29%
August	4.6%	9.00%
September	4.5%	9.26%
October	4.6%	9.10%
November	4.5%	9.19%
December	4.5%	9.22%

Average fat content for the year	4.5%
Average non fatty solids for the year	9.11%
Percentage of unsatisfactory milk i.e. failed M.B. Test	11%

ENGLISH MILK

Number of samples	10
Average fat content	3.4%
Average non fatty solids	9.00%

ICE CREAM SAMPLES, 1953

Number of visits to ice cream manufacturers	55
Total number of samples taken	119
Number of imported samples taken	59

LOCAL ICE CREAM

Grade	*No. of Samples*	*Percentage*
1	38	63%
2	13	22%
3	3	5%
4	6	10%

IMPORTED ICE CREAM

Grade	*No. of Samples*	*Percentage*
1	37	63%
2	16	27%
3	4	7%
4	2	3%

	Retailers and Manufacturers Grades				*Retailers only Grades*			
	1	2	3	4	1	2	3	4
(1)	5	5	1	—	—	—	—	—
(2)	7	3	1	2	—	—	—	—
(3)	8	2	1	—	12	2	—	3
(4)	4	—	—	—	—	—	—	—
(5)	2	1	—	1	—	—	—	—
Total	26	11	3	3 = 43	12	2	—	3 = 17
Percentage	60%	26%	7%	7%	70%	12%	—	18%

IMPORTED SAMPLES

	Grades			
	1	2	3	4
(1)	15	11	4	2
(2)	14	2	—	—
(3)	8	3	—	—
Total	37	16	4	2 = 59
Percentage	63%	27%	7%	3%

WATER SUPPLY

Due to the very low rainfall during 1953, 21.29 inches (average 36.50 inches) the outlook for 1954 is very disturbing. Heavy rain during the first months would help very considerably but if these do not materialize our main industry may be in grave jeopardy and indeed all supplies will be severely restricted. It is hoped that the number of wells being sunk will produce sufficient water to alleviate the present position.

The following table indicates the source and number of samples taken by this department during the year.

Weekly samples from States Water Mains	576
Private wells	97
Schools	29
Camp sites	6
Quarries	1
Public pumps	2
Sea water	6
Herm Island	55

REFUSE DISPOSAL

The refuse tip at Vazon has now been filled and presents a much more pleasant sight to users of the coast road. Tipping no longer takes place at Le Catelin and all collected refuse is being tipped at the Vale Castle. The chief difficulty is lack of suitable covering material but provided that too wide an area is not used at any time it can be worked quite satisfactorily. An infestation of flies was discovered during the warm weather in October and a considerable number of houses within a thousand yards area were involved for several days. The tip was thoroughly sprayed with a mobile power sprayer and houses disinfested by means of Aerosols and smoke generators with satisfactory results.

Inspections made at official dumps	51
Inspections made at unofficial dumps	10

RODENT CONTROL

No large local infestations have been reported. A routine service has been in operation as in former years and is aimed at the prevention of infestation rather than destruction of rodents when large multiplications have occurred. As in former years a number of wasps nests have been destroyed.

Number of properties visited	2,477
Number of visits made	3,097
Number of new infestations	105
Number of properties cleared	153
Number of properties gassed	34
Number of properties pre-baited	20
Number of wasps nests destroyed	26

INFECTIOUS DISEASES

One case of typhoid was admitted to hospital during the year. Drains were examined and swabs taken over a considerable period from the inspection chambers but no carriers were found.

Inspections made in connection with Infectious Diseases	19

DISINFECTIONS

The following disinfections have been carried out:—

Princess Elizabeth Hospital	8 wards
King Edward Sanatorium	3 wards
Les Côtils	1 ward
Maternity Hospital	1 ward
For notifiable Infectious Diseases (Private houses)	13

VERMINOUS PREMISES

Disinfestations carried out	98
Persons removed for cleansing	2

ARTICLES STOVED AT KING EDWARD SANATORIUM

Princess Elizabeth Hospital	736
Town Hospital	163
King Edward Sanatorium	20
St. John Ambulance	319
Prison	23
Les Côtils	9
Le Platon	6
Others	386

ALDERNEY

Four visits were made during the year when routine visits were paid to a number of cafés and some sanitary defects and drainage problems dealt with. Six farmers were interviewed and two formal milk samples were taken. Milk and cream samples have also been sent direct from Alderney.

HERM ISLAND

The water supply in this island has been very undependable in quantity and should this condition continue during 1954, public service of teas may not be possible. None of the present sources can at any time be regarded as strong springs and unless some hitherto untapped sources are found, the visitor season will create a most acute problem. Routine visits have been made by the rodent operator and no large infestations have been reported.